

Material Safety Data Sheet

Revision Date: 11-16-2007

Product Code: 33014

I. PRODUCT AND COMPANY IDENTIFICATION

Product Name: UREPRIME HS4 PRIMER WHITE
Product Code: 33014
Document ID: M33014
Company: JONES-BLAIR® Company
2728 Empire Central
Dallas, TX 75235
1-214-353-1600
Revision Number: 1
Prior Version Date: None
Intended use: Industrial Maintenance Primer
Emergency Contact: ChemTrec Center
Emergency Phone: 1-800-424-9300

II. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: **WARNING!**
Causes nose and throat irritation.
Vapor harmful.
Flammable liquid and vapor.
May cause allergic skin reaction.

Routes of Entry:

- Ingestion
- Skin contact
- Eye contact
- Inhalation

Target Organs Potentially Affected by Exposure:

- Eyes
- Central nervous system
- Respiratory Tract

Medical Conditions Aggravated by Exposure:

- Skin allergies.
- Eye disorders.
- Skin disorders.
- Eye irritation when/if dust or spray mist is generated.
- Respiratory disorders, including but not limited to asthma and bronchitis.

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Toxicity: Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea.

Skin Contact: Causes skin irritation.

Eye Contact: Causes eye irritation.

Ingestion Toxicity: Harmful if swallowed.

Long-Term (Chronic) Health Effects:

Carcinogenicity: Contains Titanium Dioxide which is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence with respect to humans and sufficient evidence in experimental animals.
Cancer hazard: Contains Crystalline Silica, which can cause cancer. Risk of cancer depends on duration and level of exposure to dust generated from sanding surfaces or spray mists.
Inhalation: NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Overexposure may cause lung damage.

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III. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	%	CAS #
Quartz (Silica-Crystalline)	10 - 30	14808-60-7
Titanium dioxide	10 - 30	13463-67-7
Parachlorobenzotrifluoride (PCBTF)	5 - 10	98-56-6
tert-butyl acetate	5 - 10	540-88-5
Amino Functional Reactive Thinner	1 - 5	Not Available
Nuisance Dust (As particles not otherwise regulated.)	1 - 5	Not Applicable
Talc	1 - 5	14807-96-6
Styrene/Allyl Alcohol Copolymer	1 - 5	25119-82-4
Methyl Amyl Ketone	1 - 5	110-43-0

IV. FIRST-AID MEASURES

Inhalation:	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.
Eyes:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin Contact:	Wash with soap and water. Get medical attention if irritation develops or persists.
Ingestion:	No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS.

V. FIRE FIGHTING MEASURES

Flammability Summary:	Flammable liquid and vapor.
Extinguishing Media:	Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and minimize fire damage.
Fire and/or Explosion Hazards:	Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back. Container may explode in heat of fire. Empty containers that retain product residue (liquid, solid/sludge, or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury or death.
Fire Fighting Methods and Protection:	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.
Hazardous Combustion Products:	Carbon monoxide, Carbon dioxide
Flash Point (°F/°C):	40 / 4
Autoignition Temperature (°F/°C):	932.0 / 500.0
Lower Flammable/Explosive Limit, % in air:	0.9
Upper Flammable/Explosive Limit, % in air:	10.5

VI. ACCIDENTAL RELEASE MEASURES

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- Personal Precautions and Equipment:** Follow personal protective equipment recommendations found in Section VIII of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including the material spilled, the quantity of the spill, the area in which the spill occurred. See MSDS sections III, XIII and XV for disposal considerations.
- Methods for Clean-up:** Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area. Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Dike with suitable absorbent material. Gather and store in a sealed container pending disposal.

VII. HANDLING AND STORAGE

- Handling Technical Measures and Precautions:** Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. As with all chemicals, good industrial hygiene practices should be followed when handling this material.
- Storage Technical Measures and Conditions:** Store in a cool dry place. Keep container(s) closed. Keep away from sources of ignition.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering Measures:** Local exhaust ventilation or other engineering controls may be required when handling or using this product to avoid overexposure.
- Respiratory Protection:** General or local exhaust ventilation is the preferred means of protection. In cases where ventilation is inadequate, respiratory protection may be required to avoid overexposure. Follow respirator manufacturer's directions for respirator use.
- Eye Protection:** Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash station available.
- Skin Protection:** Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Clothing suitable to prevent skin contact. Chemical Resistant gloves are recommended.

Control Parameters:

Chemical Name	ACGIH TLV-TWA	ACGIH STEL	OSHA Exposure Limits
Quartz (Silica-Crystalline)	0.05 mg/m ³ TWA (respirable fraction)		see Table Z-3
Titanium dioxide	10 mg/m ³ TWA		15 mg/m ³ TWA (total dust)
Parachlorobenzotrifluoride (PCBTF)	No TLV		No PEL established
tert-butyl acetate	200ppm TWA		200ppm; 950mg/m ³ TWA
Amino Functional Reactive Thinner	No TLV		No PEL established
Nuisance Dust (As particles not otherwise regulated.)	No TLV		15 mg/m ³ (Total Dust) 5 mg/m ³ (Respirable Fraction)
Talc	20 mppcf TWA		2mg/m ³
Styrene/Allyl Alcohol Copolymer	No TLV		No PEL established
Methyl Amyl Ketone	50ppm; 233mg/m ³ TWA		100ppm; 465mg/m ³ (TWA)

IX. PHYSICAL AND CHEMICAL PROPERTIES

- Color:** White
- Physical State:** Liquid
- Boiling Point - Low:** 208.4
- Boiling Point - High:** 252.0

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Evaporation Rate (n-BA = 1):	2.8
Odor:	Sweet, Naphthalene-Like
Vapor Density:	6.2 (air = 1)
Vapor Pressure:	143.00 mm Hg @ 122° F
VOC (g/l) (Regulatory, Calculated):	89.88626
(Actual, Calculated)	60.59553
Viscosity:	10 - 20 Z3
Solubility in Water:	Negligible; 0-1%
Octanol/Water Partition Coefficient:	Not Available
Volatiles, % by Volume (Calculated):	39.47792
Volatiles, % by weight (Calculated):	23.23524
Wt/Gal:	14.37 - 14.57

Physical and Chemical Properties are calculated target or range values for single packaged items and do not represent compliance values for multi-component (mixed) systems.

X. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	Sparks, open flame, other ignition sources, and elevated temperatures. Elevated temperatures. Contamination.
Materials to Avoid/Chemical Incompatibility:	Oxidizing agents
Polymerization:	Will not occur.
Hazardous Decomposition Products:	Carbon dioxide, Carbon monoxide

XI. TOXICOLOGICAL INFORMATION

Component Toxicology Data:

Chemical Name	CAS Number	LD50/LC50
Quartz	14808-60-7	Oral LD50 Rat >22500 mg/kg
Titanium dioxide	13463-67-7	Oral LD50 Rat > 25 g/kg Dermal LD50 Rabbit > 10 g/kg Inhalation LC50 (4h) Rat > 6.82 mg/L
Parachlorobenzotrifluoride (PCBTF)	98-56-6	Oral LD50 Rat 11500 mg/kg Inhalation LC50 Rat 20 G/M3
tert-butyl acetate	540-88-5	Oral LD50 Rat 4500 mg/kg Dermal LD50 Rabbit > 2000 mg/kg Inhalation LC50 (6h) Rat > 4000 ppm
Amino Functional Reactive Thinner	Not Available	Oral LD50 Rat > 2000 mg/kg Dermal LD50 Rat > 2000 mg/kg Inhalation LC50 (4h) Rat > 4224 mg/L
Methyl Amyl Ketone	110-43-0	Oral LD50 Mouse 730 mg/kg Oral LD50 Rat 1600 mg/kg Dermal LD50 Guinea pig >16200 mg/kg Dermal LD50 Rabbit 10206 mg/kg Inhalation LC50 (4h) Rat 2000 - 4000 ppm

Carcinogens:

Chemical Name	CAS Number	IARC	NTP	OSHA
Quartz	14808-60-7	1	1	
Titanium dioxide	13463-67-7	2B		

XII. ECOLOGICAL INFORMATION

Toxicity data, if available, are listed below.

XIII. DISPOSAL CONSIDERATIONS

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Disposal Methods: Dispose of in accordance with federal, state, local or provincial regulations. Refer to other sections of this MSDS to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

XIV. TRANSPORTATION INFORMATION

This section provides basic shipping classification information and does not contain all regulatory transportation details. Refer to all applicable regulations for domestic, international, air, vessel and ground transportation requirements and restrictions.

DOT Basic Description: Paint
Hazard Class: 3
UN Number: UN1263
Packing Group: II
Other: This product qualifies for a limited quantity exception per CFR173.150(b)(2) and 172.102 Special Provision 149 for inner containers <= 1.3 gallons (5L) and total gross package wt <= 66 lbs (30kg).

XV. REGULATORY INFORMATION

TSCA Status All components of this product are either listed on the TSCA Inventory; or, are not subject to the inventory notification requirements.

SARA EHS Chemicals

No EHS-listed chemicals in this product.

CERCLA

tert-Butyl acetate	540-88-5	5 - 10
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California Prop 65 Chemicals

Cancer

Crystalline Silica	14808-60-7	10 - 30
Benzene	71-43-2	0.001- 0.01

Reproductive

Benzene	71-43-2	0.001- 0.01
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SARA 313

No 313-listed chemicals in this product

SARA 311/312

Health (Acute):	Y
Health (chronic):	Y
Fire (Flammable):	Y
Pressure:	N
Reactivity:	N

CEPA DSL: The components of this product ARE listed on the Canadian Domestic Substances List.

WHMIS Hazard Class: B2 D2A

XVI. ADDITIONAL INFORMATION

Reason For Revision: New Product MSDS (no previous revisions)

Prepared By: Regulatory Department

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Disclaimer: This MSDS has been prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada's Controlled Product Regulations (CPR). To the best of our knowledge the information contained herein is accurate. Determination of safe handling, application and use of this material is the responsibility of the end user. This information is furnished without warranty, expressed or implied.

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